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OKDK-2D – Drop Dielectric Glass Rods Single Tube



- 1. PE outer sheath
- 2. Dielectric strength elements
- 3. Buffer tube
- 4. Hydrophobic gel
- 5. Optical fiber

Application

Optical cable type OKDK-2D is used as a distribution cable for aerial installation (with particularly high requirements for resistance to external electromagnetic influences) on supports of overhead communication lines, power lines, lighting poles, between buildings, for indoor installation in cable channels, cable ducts, for lying along the external facades of buildings.

Technical characteristics

Parameter	Value	
Tensile strength, kN	1	1,5
Number of optical fibers (up to 12 fibers)		
Cable diameter, mm	5,2	5,8
Cable weight, kg/km	22,8	28,8
Crushing force, kN/sm	0,3	
Operating temperature	-50°C...+70°C	
Installation temperature	-30°C...+50°C	
Transportation and storage temperature	-50°C...+70°C	
Minimum bending radius	Not less than 15 cable diameters	
Factory length, km	2 km	

Technical characteristics of optical fiber

Type of optical fiber	Corning SMF 28 Ultra	Corning SMF28e+BB
ITU-T recommendations	G.657A1 G.652D	G.657A1 G.652D
Deviation from the concentricity of the core, microns, not more	0,5	
Diameter of fiber sheath, microns	125±0,7	
Deviation from the roundness of the sheath,%, not more	0,7	
The diameter of the protective covering, microns	242±5	
Maximum attenuation at wavelength 1310 nm	0,32	0,34
Maximum attenuation at wavelength 1550 nm	0,18	0,20

Full name example

Optical cable OKDK-2D-08 G.657 A1 1,5kN

The optical cable consists of central optical module with fibers of G.657 A1 Standard, the maximum tensile strength is 1.5kN.